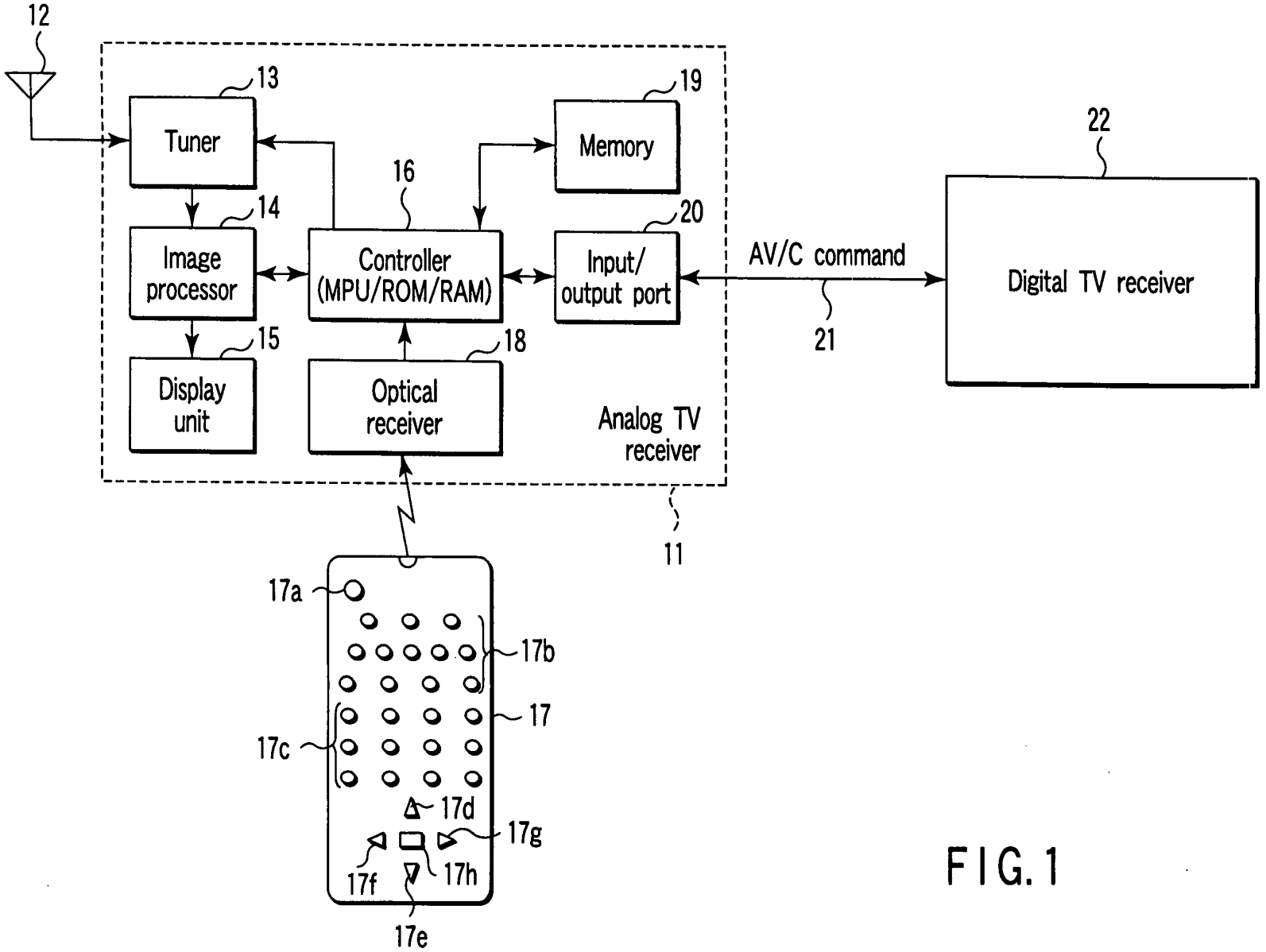
12
13
Tuner
19
Memory
22
16
14
Image processor
Controller (MPU/ROM/RAM)
20
Input/ output port
AV/C command
Digital TV receiver
21
15
18
Display unit
Optical receiver
Analog TV receiver
11
17a
17b
17
17c
17d
17g
17f
17h
17e

FIG. 1

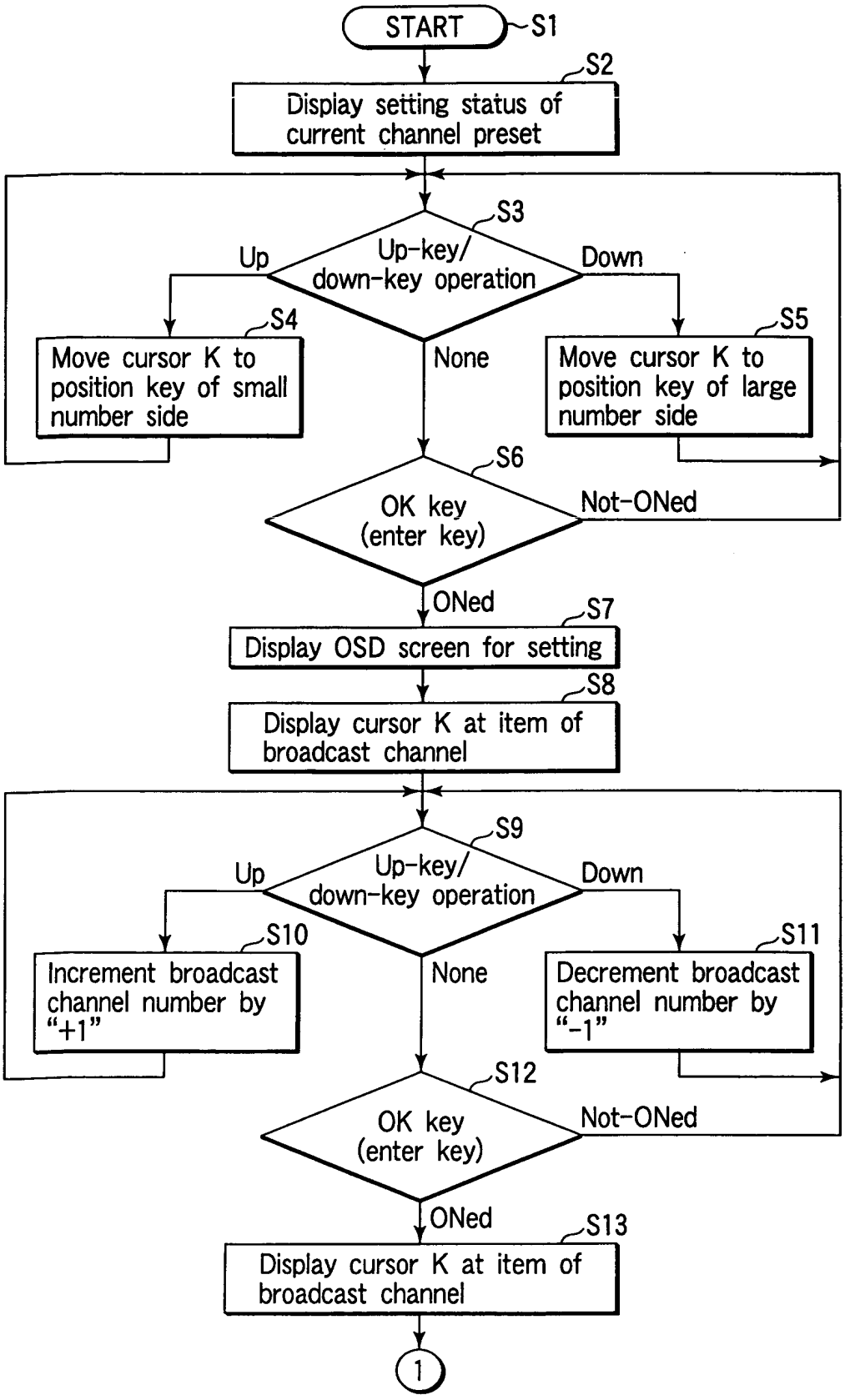
START
S1
S2
Display setting status of current channel preset
S3
Up-key/ down-key operation
Up
Down
None
S4
Move cursor K to position key of small number side
S5
Move cursor K to position key of large number side
S6
OK key (enter key)
Not-ONed
ONed
S7
Display OSD screen for setting
S8
Display cursor K at item of broadcast channel
S9
Up-key/ down-key operation
Up
Down
None
S10
Increment broadcast channel number by "+1"
S11
Decrement broadcast channel number by "-1"
S12
OK key (enter key)
Not-ONed
ONed
S13
Display cursor K at item of broadcast channel
1

FIG. 2

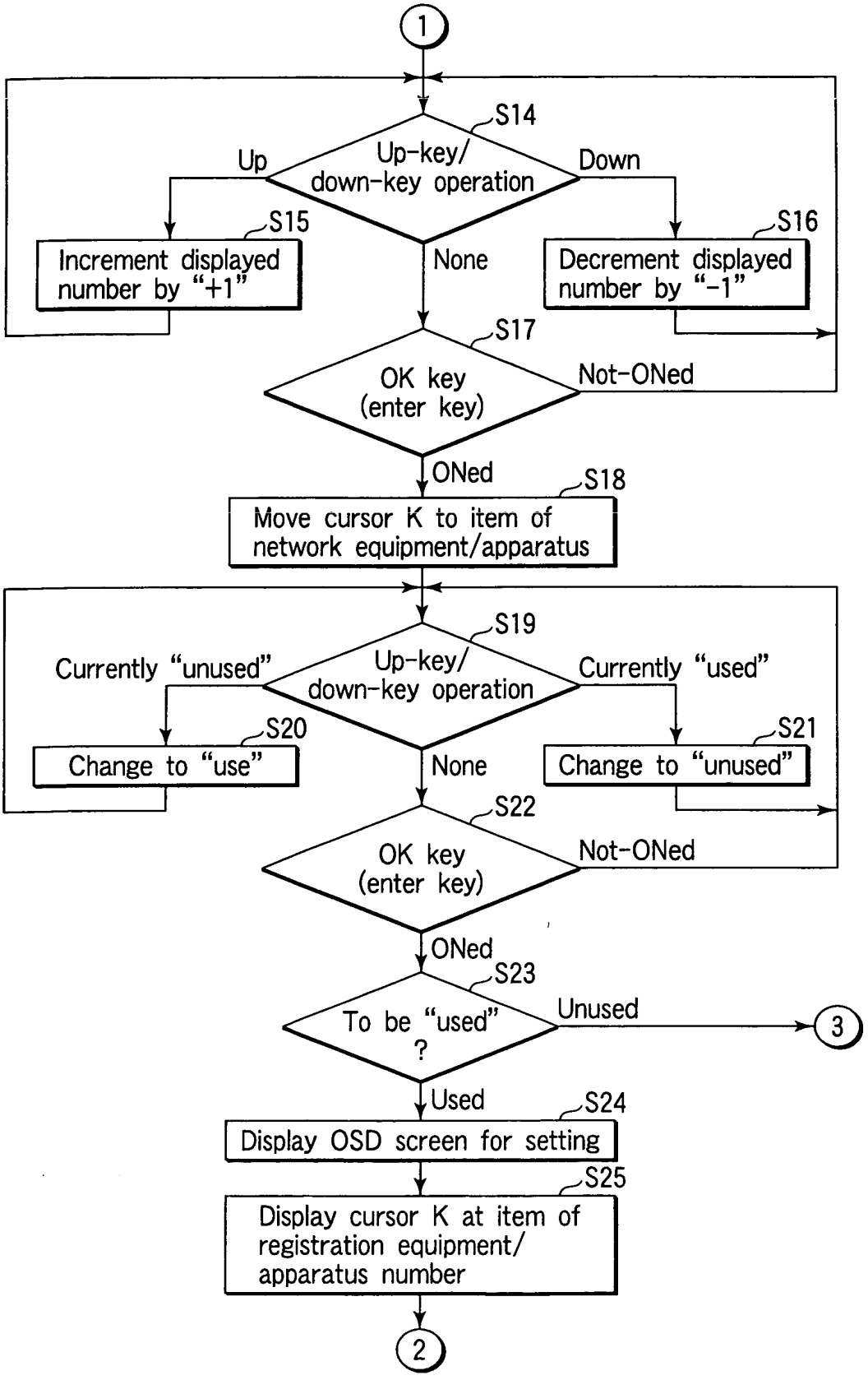
1
S14
Up-key/
down-key operation
Up
Down
S15
Increment displayed
number by "+1"
None
S16
Decrement displayed
number by "-1"
S17
OK key
(enter key)
Not-ONed
ONed
S18
Move cursor K to item of
network equipment/apparatus
S19
Up-key/
down-key operation
Currently "unused"
Currently "used"
S20
Change to "use"
None
S21
Change to "unused"
S22
OK key
(enter key)
Not-ONed
ONed
S23
To be "used"
?
Unused
3
Used
S24
Display OSD screen for setting
S25
Display cursor K at item of
registration equipment/
apparatus number
2

FIG. 3

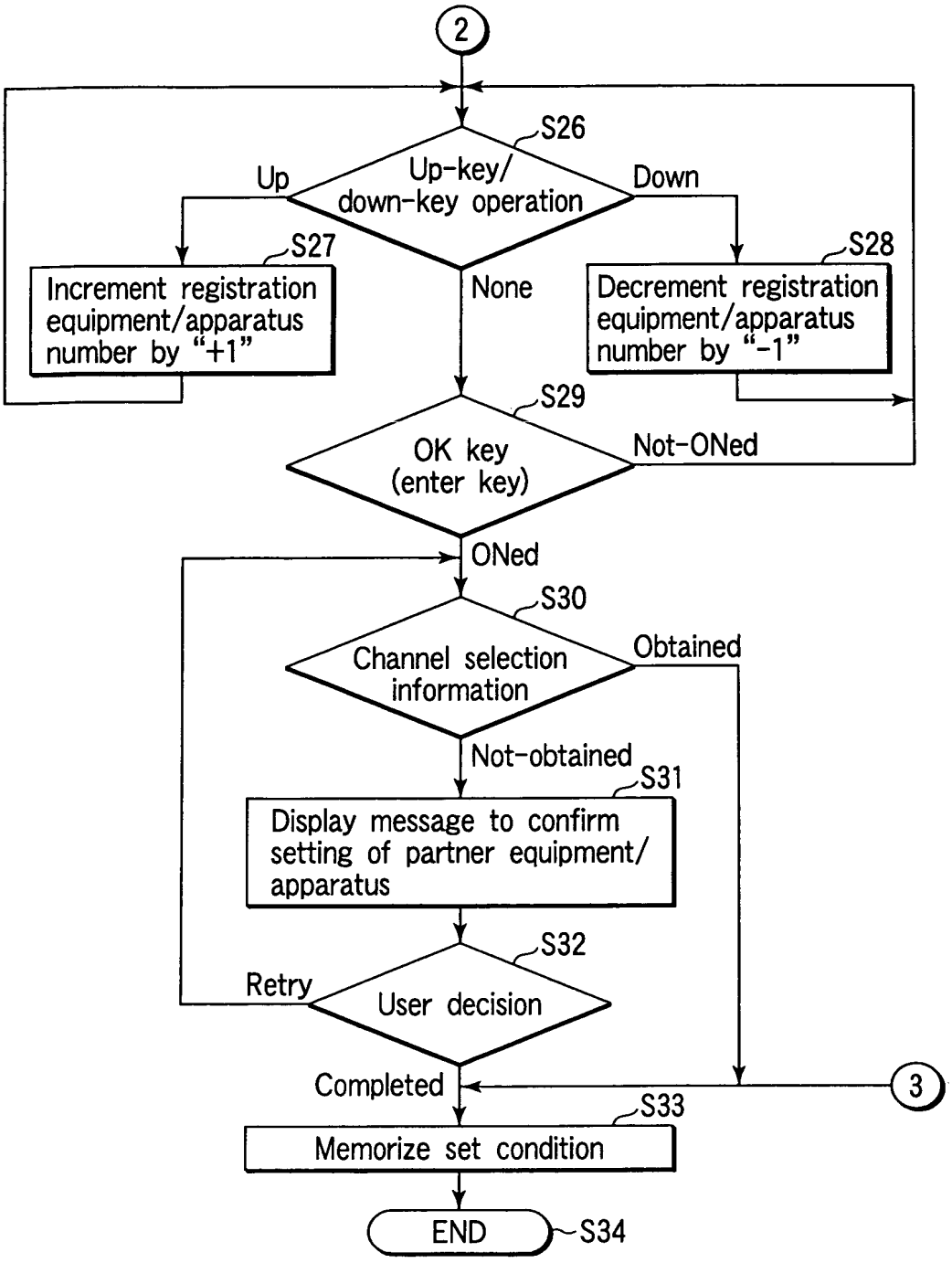
2
S26
Up-key/
down-key operation
Up
Down
S27
Increment registration
equipment/apparatus
number by "+1"
None
S28
Decrement registration
equipment/apparatus
number by "-1"
S29
OK key
(enter key)
Not-ONed
ONed
S30
Channel selection
information
Obtained
Not-obtained
S31
Display message to confirm
setting of partner equipment/
apparatus
S32
Retry
User decision
Completed
3
S33
Memorize set condition
END
S34

FIG. 4

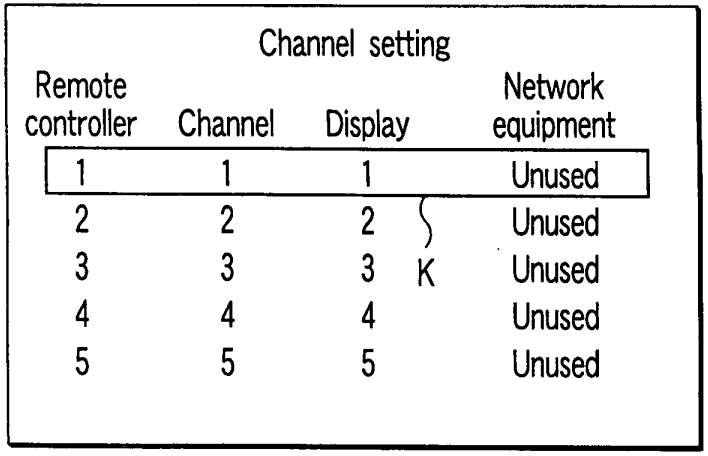

FIG. 5A

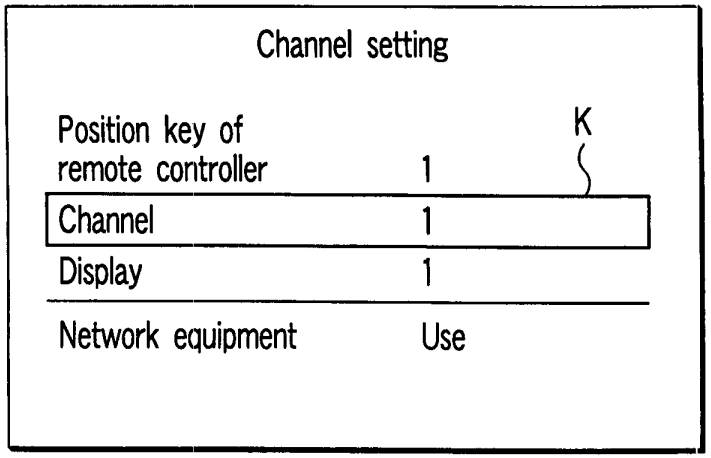

FIG. 5B

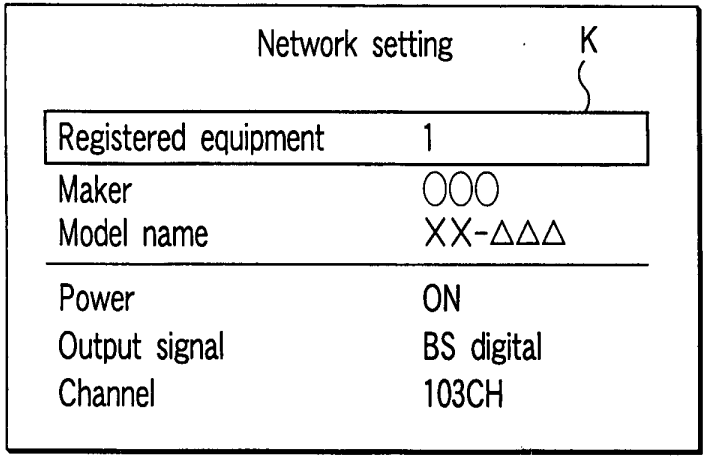

FIG. 5C

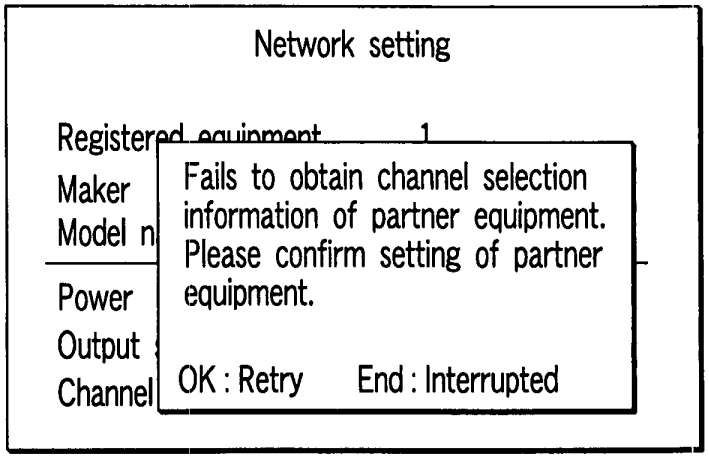
Network setting
Fails to obtain channel selection information of partner equipment. Please confirm setting of partner equipment.
OK : Retry End : Interrupted

FIG. 5D

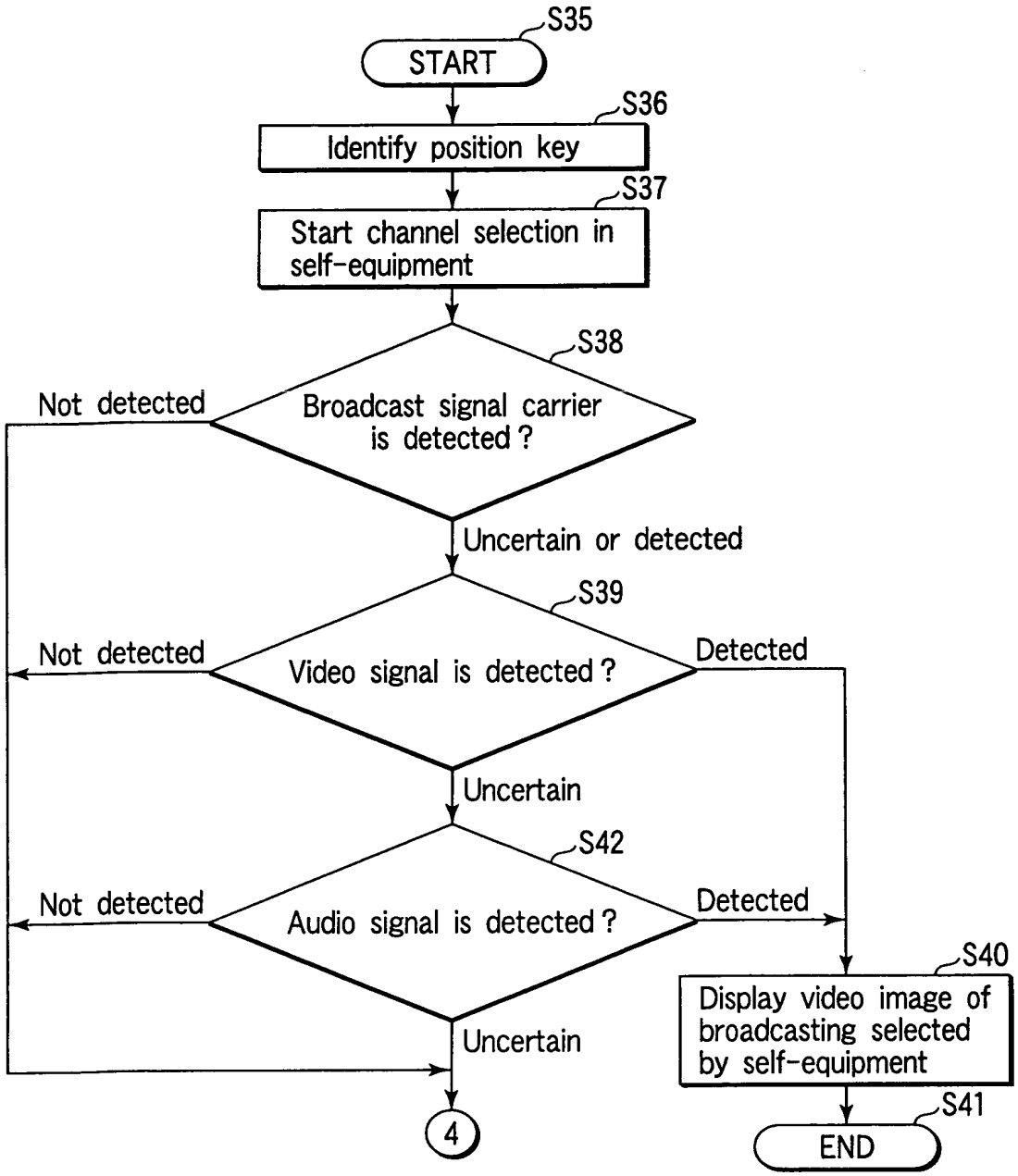
S35
START
S36
Identify position key
S37
Start channel selection in self-equipment
S38
Broadcast signal carrier is detected ?
Not detected
Uncertain or detected
S39
Video signal is detected ?
Not detected
Detected
Uncertain
S42
Audio signal is detected ?
Not detected
Detected
Uncertain
S40
Display video image of broadcasting selected by self-equipment
S41
END
4

FIG. 6

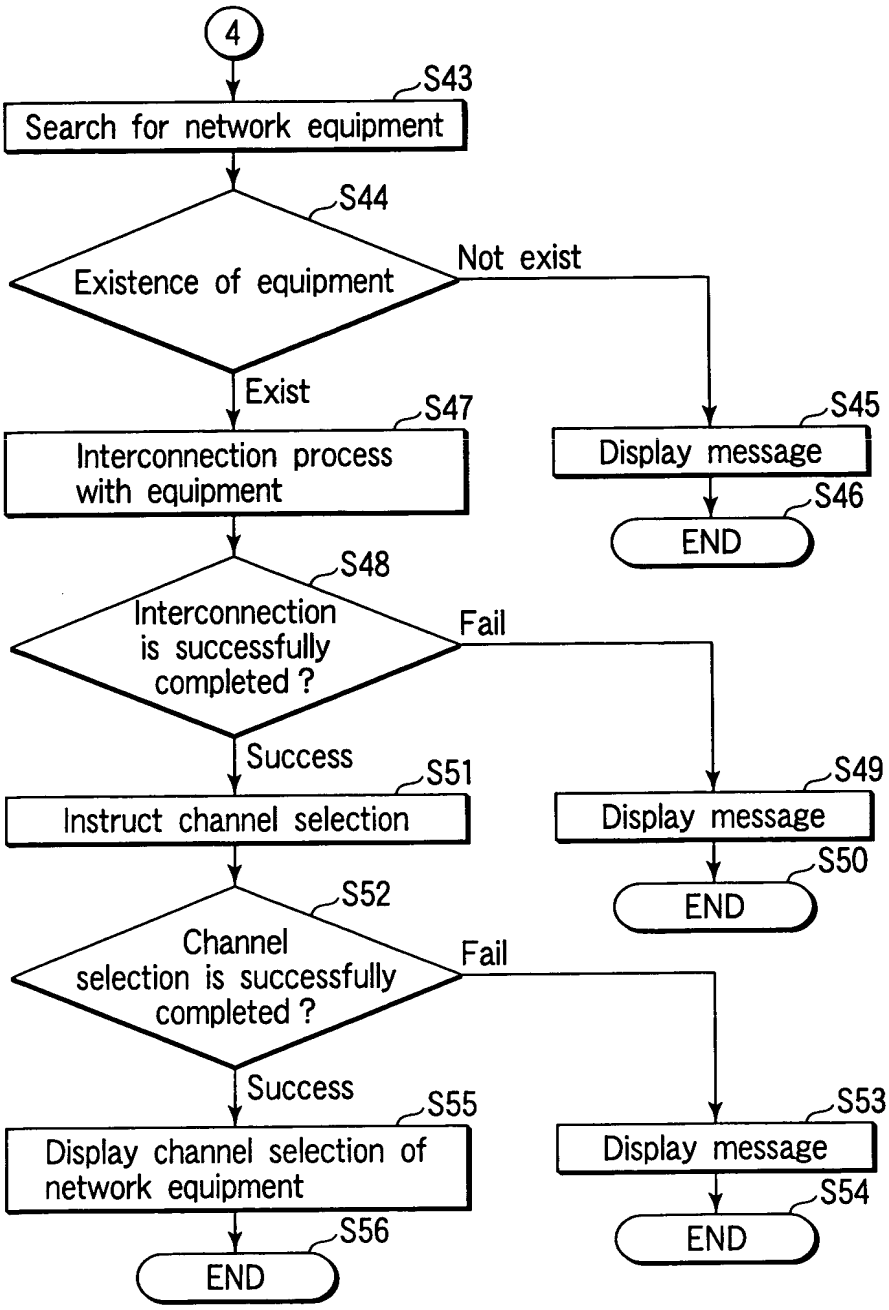
4
S43
Search for network equipment
S44
Existence of equipment
Not exist
Exist
S47
Interconnection process with equipment
S45
Display message
S46
END
S48
Interconnection is successfully completed ?
Fail
Success
S51
Instruct channel selection
S49
Display message
S50
END
S52
Channel selection is successfully completed ?
Fail
Success
S55
Display channel selection of network equipment
S53
Display message
S54
END
S56
END

FIG. 7

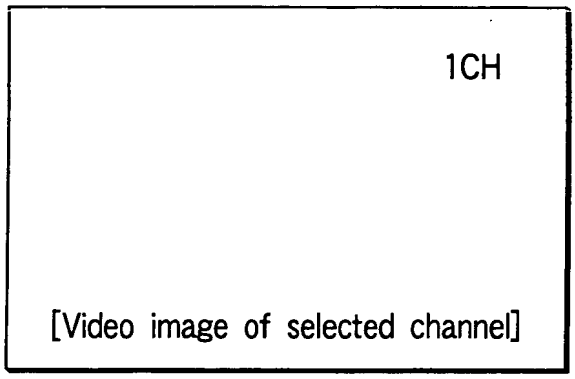

FIG. 8A

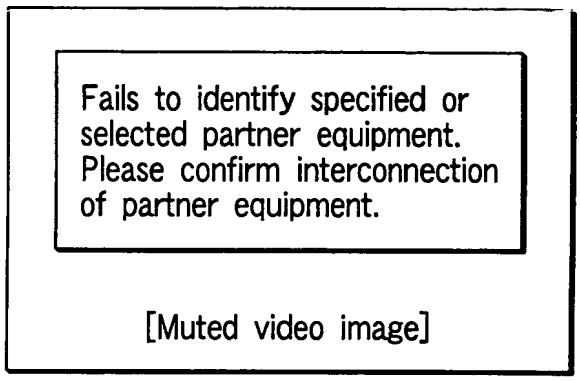
Fails to identify specified or selected partner equipment. Please confirm interconnection of partner equipment.
[Muted video image]

FIG. 8B

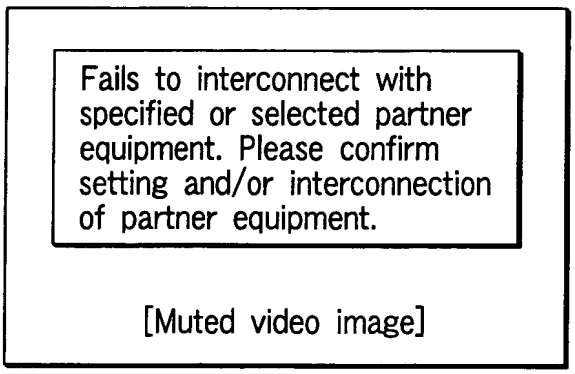
Fails to interconnect with specified or selected partner equipment. Please confirm setting and/or interconnection of partner equipment.
[Muted video image]

FIG. 8C

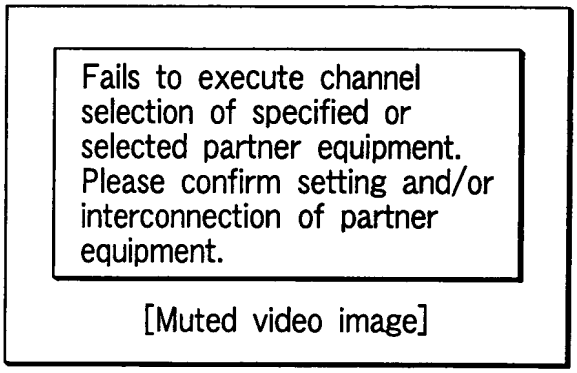
Fails to execute channel selection of specified or selected partner equipment. Please confirm setting and/or interconnection of partner equipment.
[Muted video image]

FIG. 8D

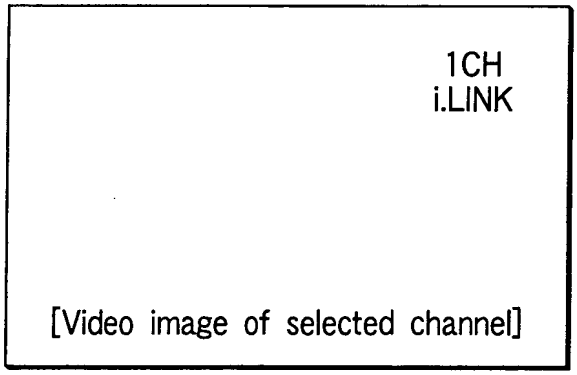

FIG. 8E

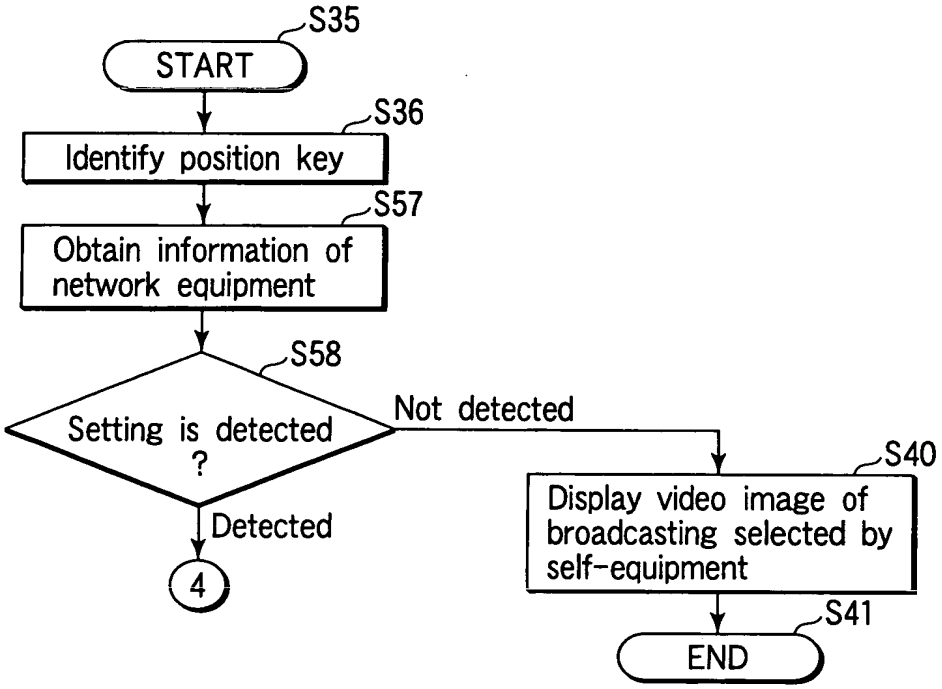
S35
START
S36
Identify position key
S57
Obtain information of network equipment
S58
Setting is detected ?
Not detected
S40
Display video image of broadcasting selected by self-equipment
Detected
4
S41
END

FIG. 9

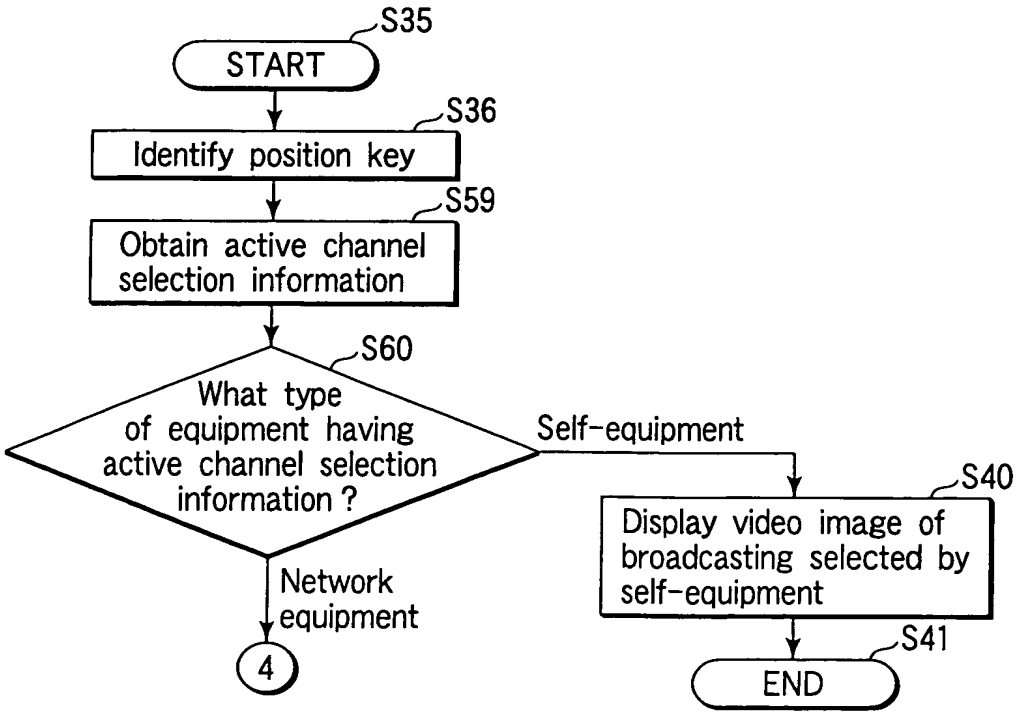
S35
START
S36
Identify position key
S59
Obtain active channel selection information
S60
What type of equipment having active channel selection information ?
Self-equipment
S40
Display video image of broadcasting selected by self-equipment
Network equipment
4
S41
END

FIG. 10

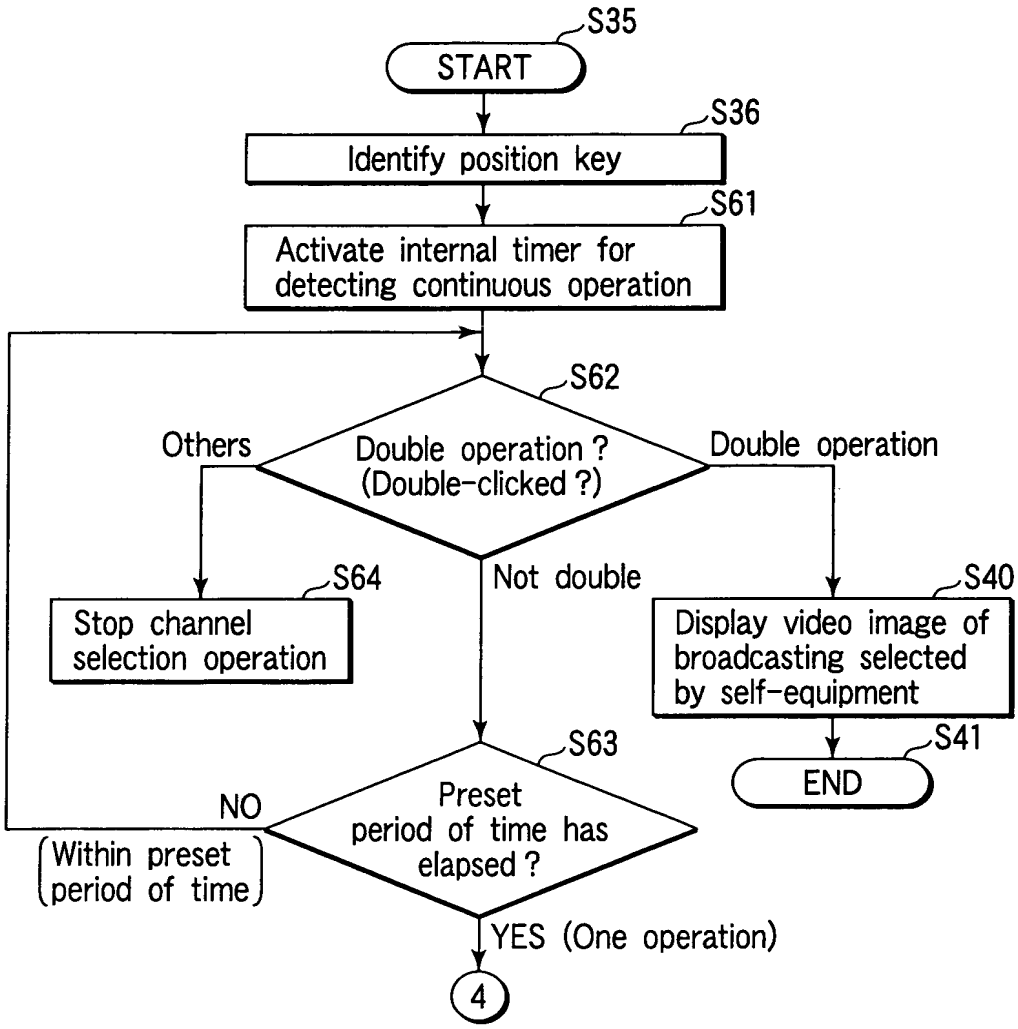
S35
START
S36
Identify position key
S61
Activate internal timer for detecting continuous operation
S62
Others
Double operation ? (Double-clicked ?)
Double operation
S64
Stop channel selection operation
Not double
S40
Display video image of broadcasting selected by self-equipment
S41
END
S63
NO
Within preset period of time
Preset period of time has elapsed ?
YES (One operation)
4

FIG. 11